

Title (en)  
SEAL ARRANGEMENT

Title (de)  
DICHTUNGSANORDNUNG

Title (fr)  
SYSTÈME DE JOINT D'ÉTANCHÉITÉ

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Application  
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Abstract (en)  
[origin: US2010320696A1] The invention relates to a sealing arrangement for a non-hermetic seal of a gap (11) between a stator and a rotor with a brush seal (13), wherein the brush seal (13) has a bristle package (14) with several bristles (15), the bristles are wound about a core element (16) and fixed to the core element (16), wherein the brush seal (13) is disposed at least sectionally in an accommodating space, which is bounded by a supporting element (18) and a covering element (19), and wherein the bristles (15) have sealing bristle sections (21), which are at an angle to the bristle shafts (20) and the ends of which run against a sealing surface (22) of the rotor (12). According to the invention, the covering element (19) has a support surface (23) at an end adjacent to the sealing bristle sections (21), wherein the supporting surface (23) contacts the bristle shafts (20) in a defined, locally limited region, so that the radial mobility of the sealing bristle sections (21) is limited in the direction of the rotor (12).

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